

## **DIVISION 16 - ELECTRICAL**

### **SECTION 16111 - CONDUITS**

#### **PART 1 - GENERAL**

##### **1.01 - SCOPE**

- A. Furnish and install all conduits, boxes, fittings, etc., for a complete raceway system.

#### **PART 2 - PRODUCTS**

##### **2.01 - CONDUITS**

- A. Conduits shall be as detailed on the drawings.

##### **2.02 - SURFACE NONMETALLIC RACEWAY**

- A. Where indicated on plans, certain exposed power, telephone and data wiring shall be installed in Wiremold No. 5400 surface nonmetallic raceway, 1-3/4" x 5-1/4", two-compartment raceway with snap-on cover, with all dividers, bridges, couplings, blanks, conduit adapters, wire clips, cover clips, internal elbows and cover plates. Two (2) compartment units shall be constructed with Wiremold 5400 TB divided base and 5400C cover. Device bracket shall be Wiremold No. 5450. Receptacle faceplates shall be Wiremold No. 5507D duplex faceplates. Openings to be closed by the Electrical Contractor with Wiremold No. 5507B blank faceplates. Other manufacturers: Bryant, Arrow Hart, General Electric or Pass Symour.
- B. All surface nonmetallic raceways shall be listed by the Underwrites Laboratories, Inc.

#### **PART 3 - EXECUTION**

##### **3.01 - INSTALLATION**

- A. Unless otherwise noted, all conduits shall be run concealed on site and within existing building.
- B. All conduits shall be substantially supported by pipe straps or suitable clamps or hangers attached to the elements of the building structure to provide rigid installation; in no case shall conduits be attached or supported from adjoining pipe or installed in such a manner as to prevent the ready removal of other pipe for repairs.

- C. Thomas and Betts "Ty-Rap" self-locking ties or similar may be used as support of conduits up to 1" which are running horizontal on top of small structural members.
- D. Strap iron hangers and wire will not be approved for conduit support.
- E. For fasteners, see Division 5, Section 05125 - MISCELLANEOUS FASTENERS.
- F. All conduits must be kept dry and free of water or debris with approved pipe plugs or caps. Care shall be given that plugs or caps be installed before pouring of concrete.
- G. All conduits shall be supported from frame only.

END